

CPAESS Discovery Seminars

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Kathy Tedesco Cheyenne Stienbarger

CPAESS Scientists at NOAA's Global Ocean Monitoring & Observing (GOMO)

NOAA's Global Ocean Monitoring and Observing Program: Frontiers in Ocean Observing

DATE: Wed. November 16, 2022

TIME: 11:00 AM – 12:00 PM MT (VIRTUAL)

[**WATCH THE LIVE WEBCAST**](#)

Dr. Kathy Tedesco, CPAESS Program Manager at GOMO; and Cheyenne Stienbarger, CPAESS Program Specialist at GOMO explain how the global ocean profoundly affects weather and climate, the environment, marine ecosystems, and coastal regions where a large fraction of the global population lives. This presentation will provide an overview of NOAA's Global Ocean Monitoring and Observing (GOMO) Program whose mission is to provide and support high quality global ocean observations and research to improve our scientific understanding and inform society about the ocean's role in environmental change.

This presentation will include highlights of some of GOMO efforts:

Ocean Carbon and Biogeochemistry: Tracking the sources and sinks of CO₂ to assess changes in climate and ocean health and developing new ocean biogeochemical and biological technologies and techniques (e.g., Bio-GO-SHIP).

Extreme Weather and Climate Phenomena: Leveraging our sustained and targeted observations across ocean basins can improve our understanding of extreme weather and climate events, including hurricanes, ENSO, and sea ice projections.



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